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# PAQR3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP4717b

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | Q6TCH7 |
| **Other Accession** | Q6TCG8 |
| **Reactivity** | Human |
| **Predicted** | Mouse, Rat, Bovine, Canine, Rabbit |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB24961 |
| **Calculated MW** | 36217 |
| **Antigen Region** | 242-270 |

## Additional Information

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| **Gene ID** | 152559 |
| **Other Names** | Progestin and adipoQ receptor family member 3, Progestin and adipoQ receptor family member III, Raf kinase trapping to Golgi, RKTG, PAQR3 |
| **Target/Specificity** | This PAQR3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 242-270 amino acids from the C-terminal region of human PAQR3. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | PAQR3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | PAQR3 ( HGNC:30130) |
| **Function** | Golgi-scaffold protein which modulates its interactors activities by anchoring them to the Golgi apparatus (PubMed:18547165, |

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| | PubMed:26311497). Functions as a spatial regulator of RAF1 kinase by sequestrating it to the Golgi apparatus (PubMed:18547165). Acts as a positive regulator of cholesterol biosynthesis by mediating the anchoring of the SCAP:SREBP complex in the Golgi apparatus, thereby promoting SCAP:SREBF2 complex formation, potentiating SREBF2 and SREBF1 processing and enhancing lipid synthesis (PubMed:26311497). Also regulates PPARA and PPARG functions by mediating their interaction with E3 ubiquitin ligases, such as STUB1 or HUWE1, leading to their polyubiquitination and proteasome-mediated degradation (By similarity). |
| **Cellular Location** | Golgi apparatus membrane; Multi-pass membrane protein |
| **Tissue Location** | Widely expressed in a range of tissues. |

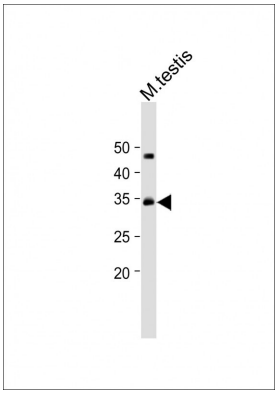
## Background

PAQR3 is function as a spatial regulator of RAF1 kinase by sequestrating it to the Golgi.

## References

Jiang, Y., et al. Mol. Cell. Biol. 30(1):78-90(2010)
Garitaonandia, I., et al. J. Recept. Signal Transduct. Res. 29(1):67-73(2009)
Luo, X., et al. Biochem. J. 414(3):399-406(2008)

## Images




All lanes: Anti-PAQR3 Antibody (C-term) at 1:500 dilution + Mouse testis lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 34 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

## Citations

- Expression of adipokines in osteoarthritis osteophytes and their effect on osteoblasts.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.